

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: 08/29/05

Date Received: 08/11/05

Project: Metro Self Monitor, PO# M96764, F&BI 508115

Date Extracted: 08/25/05

Date Analyzed: 08/25/05

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES  
FOR TOTAL METALS  
BY EPA METHOD 6010**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M96764 508115-01	0.26	0.31	0.30	<0.05
Method Blank	<0.05	<0.05	<0.10	<0.05

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**QUALITY ASSURANCE RESULTS  
FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS  
BY EPA METHOD 6010**

Laboratory Code: 508115-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	RPD (Limit 20)
Chromium	mg/L (ppm)	0.26	0.25	4	0-20
Copper	mg/L (ppm)	0.31	0.31	0	0-20
Nickel	mg/L (ppm)	0.30	0.29	3	0-20
Zinc	mg/L (ppm)	<0.05	<0.05	nm	0-20

Laboratory Code: 508115-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Control Limits
Chromium	mg/L (ppm)	5	0.26	91	50-150
Copper	mg/L (ppm)	5	0.31	96	50-150
Nickel	mg/L (ppm)	10	0.30	91	50-150
Zinc	mg/L (ppm)	5	<0.05	94	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	mg/L (ppm)	5	104	70-130
Copper	mg/L (ppm)	5	101	70-130
Nickel	mg/L (ppm)	10	100	70-130
Zinc	mg/L (ppm)	5	100	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.  
Charlene Morrow, M.S.  
Yelena Aravkina, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

August 29, 2005

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

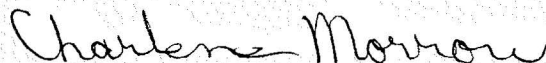
Dear Mr. Thompson:

Included are the results from the testing of material submitted on August 11, 2005 from the Metro Self Monitor, PO# M96764, F&BI 508115 project. There are 2 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Charlene Morrow  
Chemist

Enclosures  
ACU0829R.DOC

508115

## SAMPLE CHAIN OF CUSTODY

CM 08/11/05

A14

Send Report To Gregory Thompson  
 Company Alaska Copper Works  
 Address 628 S. Harbor St  
 City, State, ZIP Seattle WA 98134  
 Phone # 206 382-8779 Fax # 206 382-4305

SAMPLER (signature)

PROJECT NAME/NO.

PO #

M 96764

REMARKS

Page # \_\_\_\_\_ of \_\_\_\_\_

## TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by: \_\_\_\_\_

## SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
M96764	01	8/11/05	12:30	H2O	1											

Friedman & Bruya, Inc.  
 3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	<u>G. Thompson</u>	<u>ACW</u>	<u>8/11/05</u>	<u>1:57</u>
Received by: <u>[Signature]</u>	<u>Nhan Phan</u>	<u>FBI</u>	<u>8/11/05</u>	<u>V</u>
Relinquished by:				
Received by:				



**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

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August 29, 2005

**DUPLICATE COPY**

**INVOICE #05ACU0829-3**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M96764, F&BI 508115 - Results of testing  
requested by Gerry Thompson for material submitted on August 11, 2005.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 6010B @ \$80 per sample	\$ 80.00
Amount Due .....	\$ 80.00

FEDERAL TAX ID # (b) (6)